

Serial Number: 09/887,194A

AF Processing Date: 4/2/02
 Edited by: DC
 Verified by: DC (STIC staff)

ENTERED

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically:
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included:
- ☐ Deleted extra, invalid, headings used by an applicant, specifically:
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as
- ☐ Inserted mandatory headings, specifically:
- ☐ Corrected an obvious error in the response, specifically:
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically:
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:
- ☐ Other:

*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.



OIPE

RAW SEQUENCE LISTING

DATE: 04/02/2002

PATENT APPLICATION: US/09/887,194A

TIME: 12:56:22

Input Set : A:\PTO.DC.txt

Output Set: N:\CRF3\04022002\I887194A.raw

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3 <110> APPLICANT: Glassman, Kimberly F.
4   Gordon-Kamm, William J.
5   Kinney, Anthony
6   Lowe, Keith S.
7   Nichols, Scott E.
8   Stecca, Kevin L.
10 <120> TITLE OF INVENTION: RECOMBINANT CONSTRUCTS AND THEIR USE IN REDUCING GENE
EXPRESSION
12 <130> FILE REFERENCE: BB1449 US NA
14 <140> CURRENT APPLICATION NUMBER: US/09/887,194A
C--> 15 <141> CURRENT FILING DATE: 2002-03-13
17 <160> NUMBER OF SEQ ID NOS: 36
19 <170> SOFTWARE: Microsoft Office 97
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 30
23 <212> TYPE: DNA
24 <213> ORGANISM: Artificial Sequence
26 <220> FEATURE:
27 <223> OTHER INFORMATION: Description of Artificial Sequence: ELVISLIVES PCR primer
29 <400> SEQUENCE: 1
30 gaattcgcgg ccgcatggga ggtagaggtc 30
33 <210> SEQ ID NO: 2
34 <211> LENGTH: 30
35 <212> TYPE: DNA
36 <213> ORGANISM: Artificial Sequence
38 <220> FEATURE:
39 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
amplification
40   of soybean Fad2-1
42 <400> SEQUENCE: 2
43 ggaaaacccat gcaaccatt ggtacttgct 30
46 <210> SEQ ID NO: 3
47 <211> LENGTH: 30
48 <212> TYPE: DNA
49 <213> ORGANISM: Artificial Sequence
51 <220> FEATURE:
52 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
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53   of soybean Fad2-1
55 <400> SEQUENCE: 3
56 agcaagtacc aatgggttgc atggttttcc 30
59 <210> SEQ ID NO: 4
60 <211> LENGTH: 30
61 <212> TYPE: DNA

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62 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:

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65 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for amplification

66 of soybean Fad2-1

68 <400> SEQUENCE: 4

69 agcaagtacc aatggatact tggtcctgta 30

72 <210> SEQ ID NO: 5

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74 <212> TYPE: DNA

75 <213> ORGANISM: Artificial Sequence

77 <220> FEATURE:

78 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for amplification

79 of soybean Fad2-1

81 <400> SEQUENCE: 5

82 tacaggaaca agtatccatt ggtacttgct 30

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86 <211> LENGTH: 30

87 <212> TYPE: DNA

88 <213> ORGANISM: Artificial Sequence

90 <220> FEATURE:

91 <223> OTHER INFORMATION: Description of Artificial Sequence: pKS102 linker

93 <400> SEQUENCE: 6

94 gaattcgcg cgcatggga ggtagaggtc 30

97 <210> SEQ ID NO: 7

98 <211> LENGTH: 34

99 <212> TYPE: DNA

100 <213> ORGANISM: Artificial Sequence

102 <220> FEATURE:

103 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for amplification

104 of Cer3

106 <400> SEQUENCE: 7

107 ggcgcgccaa gcttgatcc gtcgacggcg cgcc 34

110 <210> SEQ ID NO: 8

111 <211> LENGTH: 30

112 <212> TYPE: DNA

113 <213> ORGANISM: Artificial Sequence

115 <220> FEATURE:

116 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for amplification

117 of Cer3

119 <400> SEQUENCE: 8

120 gaattcgcg cgcggcacg agatttgagg 30

123 <210> SEQ ID NO: 9

124 <211> LENGTH: 30

125 <212> TYPE: DNA

126 <213> ORGANISM: Artificial Sequence

128 <220> FEATURE:

129 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for amplification

130 of Cer3

132 <400> SEQUENCE: 9

133 ttgcccgaatg tttatgcata tgtagaactg 30

136 <210> SEQ ID NO: 10

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142 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
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143     of Cer3
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146 cagttctaca tatgcataaa cattgggcaa 30
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150 <211> LENGTH: 30
151 <212> TYPE: DNA
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Description of Artificial Sequence: ELVISLIVES complementary
156     region of pKS106 and pKS124
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159 gaattcgcgg ccgcggcacg agatttgagg 30
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163 <211> LENGTH: 80
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Description of Artificial Sequence: ELVISLIVES complementary
169     region of pKS106 and pKS124
171 <400> SEQUENCE: 12
172 cggccggagc tggcatctc gctcatcgtc gagtcggcgg ccgccgactc gacgatgagc 60
173 gagatgacca gtcgccggccg 80
176 <210> SEQ ID NO: 13
177 <211> LENGTH: 154
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: ELVISLIVES complementary
183     region of pKS133
185 <400> SEQUENCE: 13
186 cggccggagc tggcatctc gctcatcgtc gagtcggcgg ccggagctgg tcatctcgct 60
187 catcgtcgag tcggcggccg ccgactcgac gatgagcgag atgaccagct ccggccggccg 120
188 actcgacgat gacgagatg accagctccg gccg 154
191 <210> SEQ ID NO: 14
192 <211> LENGTH: 92
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Description of Artificial Sequence: ELVISLIVES PCR primer
199 <400> SEQUENCE: 14
200 gaattccggc cggagctggt catctcgtc atcgtcgagt cggcggccgc cgactcgacg 60
201 atgagcgaga tgaccagctc cggccggaat tc 92
204 <210> SEQ ID NO: 15
205 <211> LENGTH: 15

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206 <212> TYPE: DNA
207 <213> ORGANISM: Artificial Sequence
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Description of Artificial Sequence: ELVISLIVES PCR primer
212 <400> SEQUENCE: 15
213 gaattccggc cggag                                     15
216 <210> SEQ ID NO: 16
217 <211> LENGTH: 33
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
amplification
223     of soybean Fad2-1
225 <400> SEQUENCE: 16
226 gaattcgcgg ccgctgagtg attgctcacg agt                 33
229 <210> SEQ ID NO: 17
230 <211> LENGTH: 33
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
amplification
236     of soybean Fad2-1
238 <400> SEQUENCE: 17
239 gaattcgcgg ccgcttaatc tctgtccata gtt                 33
242 <210> SEQ ID NO: 18
243 <211> LENGTH: 32
244 <212> TYPE: DNA
245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
amplification
249     of soybean Fad2-1, 5'-end
251 <400> SEQUENCE: 18
252 gaattcgcgg ccgccaatc tattgggttc tc                   32
255 <210> SEQ ID NO: 19
256 <211> LENGTH: 32
257 <212> TYPE: DNA
258 <213> ORGANISM: Artificial Sequence
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
amplification
262     of soybean Fad2-1, 3'-end of 25 nucleotide fragment
264 <400> SEQUENCE: 19
265 gaattcgcgg ccgcaacctt ggagaaccca at                   32
268 <210> SEQ ID NO: 20
269 <211> LENGTH: 32
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
amplification

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275 of soybean Fad2-1, 3'-end 75 nucleotide fragment

RAW SEQUENCE LISTING

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TIME: 12:56:22

Input Set : A:\PTO.DC.txt

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282 <211> LENGTH: 32
283 <212> TYPE: DNA
284 <213> ORGANISM: Artificial Sequence
286 <220> FEATURE:
287 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
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288 of soybean Fad2-1, 3'-end of 150 nucleotide fragment
290 <400> SEQUENCE: 21
291 gaattcgcg cgcgtgagaa ataagggact aa 32
294 <210> SEQ ID NO: 22
295 <211> LENGTH: 32
296 <212> TYPE: DNA
297 <213> ORGANISM: Artificial Sequence
299 <220> FEATURE:
300 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
amplification
301 of soybean Fad2-1, 3'-end 300 nucleotide fragment
303 <400> SEQUENCE: 22
304 gaattcgcg cgcgagtgt gacgagaaga ga 32
307 <210> SEQ ID NO: 23
308 <211> LENGTH: 32
309 <212> TYPE: DNA
310 <213> ORGANISM: Artificial Sequence
312 <220> FEATURE:
313 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR primer for
amplification
314 of soybean Fad2-1, 3'-end 600 nucleotide fragment
316 <400> SEQUENCE: 23
317 gaattcgcg cgcgttctga tgaatcgtaa tg 32
320 <210> SEQ ID NO: 24
321 <211> LENGTH: 1717
322 <212> TYPE: DNA
323 <213> ORGANISM: Artificial Sequence
325 <220> FEATURE:
326 <223> OTHER INFORMATION: Description of Artificial Sequence: ELVISLIVES complementary
327 region of pBS68
329 <400> SEQUENCE: 24
330 cggccggagc tggcatctc gctcatcgtc gagtcggcgg cgcgtgagtg attgctcacg 60
331 agtgtgtgtca ccatgccttc agcaagtacc aatgggttga tgatgttgtg ggtttgacct 120
332 ttcactcaac acttttagtc ccttattttct catggaaaaat aagccatcgc cgccatcact 180
333 ccaacacagg ttcccttgac cgtgatgaag tgtttgtccc aaaacaaaaa tccaaagttg 240
334 catggttttc caagtactta aacaaccctc taggaagggc tgtttctctt ctcgtcacac 300
335 tcacaatagg gtggcctatg tatttagcct tcaatgtctc tggtagacct tatgatagtt 360
336 ttgcaagcca ctaccaccct tatgtctcca tatattotaa ccgtgagagg cttctgatct 420
337 atgtctctga tgttgctttg ttttctgtga ctactctct ctaccgtgtt gcaaccctga 480
338 aaggggttgg ttggctgcta tgtgtttatg ggggtgcctt gctcattgtg aacgggtttc 540
339 ttgtgactat cacatatattg cagcacacac actttgcctt gcctcattac gattcatcag 600
340 aatgggactg gctgaaggga gctttggcaa ctatggacag agattaagcg gccgcatgcc 660
341 tccagaaaag aaagaaattt tcaagtcctt ggagggatgg gcctcggagt gggtcctacc 720

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VERIFICATION SUMMARY

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TIME: 12:56:23

Input Set : A:\PTO.DC.txt

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L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date